PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

MTC028BWO	Applicant's or agent's file reference	FOR FURTHER	see Form PCT/	SA/220
PCT/EP2004/009632 30/08/2004 10/09/2003 Applicant METHANOL CASALE S.A. This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This International Search Report consists of a total of		ACTION	as well as, where applica	ble, item 5 below.
Applicant METHANOL CASALE S.A. This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This International Search Report consists of a total of	International application No.	International filing date (day/month)	(Earliest) Priorit	y Date (day/month/year)
Applicant METHANOL CASALE S.A. This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This International Search Report consists of a total of	PCT/EP2004/009632	30/08/2004]]	.0/09/2003
This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This International Search Report consists of a total of	Applicant			
This International Search Report consists of a total of	METHANOL CASALE S.A.			
It is also accompanied by a copy of each prior art document cited in this report. 1. Basis of the report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I. Certain claims were found unsearchable (See Box III). 3. Unity of invention is lacking (see Box III). 4. With regard to the title, The text is approved as submitted by the applicant. The text has been established by this Authority to read as follows: 5. With regard to the abstract, the text is approved as submitted by the applicant. The text is approved as submitted by the applicant. The text is approved as submitted by the applicant. The text is approved as submitted by the applicant. The text is approved as submitted by the applicant.	This International Search Report has bee according to Article 18. A copy is being tr	n prepared by this International Searc ansmitted to the International Bureau.	hing Authority and is transm	itted to the applicant
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6. With regards to the drawings,	6. With regards to the drawings.			
a. the figure of the drawings to be published with the abstract is Figure No		ublished with the abstract is Figure N	. 1	
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as selected by this Authority, because the applicant failed to suggest a figure.		• • • • • • • • • • • • • • • • • • • •	ad to suggest a figure	•
as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention.	· —	•		
b. none of the figures is to be published with the abstract.			characterizes the invention.	

International application No.

INTERNATIONAL SEARCH REPORT

PCT/EP2004/009632

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

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The abstract is changed as follows:

Line 02: after "reactor" insert "(1)";

Line 04: after " shell" insert "(2)";

Line 04: after "upper" insert "(4)";

Line 05: after "lower" insert "(3)";

Line 05: after "zone" insert "(8)";

Line 06: after "bed" insert "(11)";

Line 07: after "exchangers" insert "(12)".
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INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/009632

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B01J8/02 F28D9/00 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) B01J F28D Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal The production of the state of C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category ° Relevant to claim No. χ EP 1 153 653 A (METHANOL CASALE SA) 1,214 November 2001 (2001-11-14) figures 1,3,5 X US 6 419 892 B1 (EICKHOFF HUBERTUS ET AL) 1,2 16 July 2002 (2002-07-16) figure 2a 1 ita ira ka <u>ira</u> Α EP 1 279 915 A (METHANOL CASALE SA) 29 January 2003 (2003-01-29) claims; figures Α EP 1 172 138 A (BIAZZI SA) 16 January 2002 (2002-01-16) figures 1,2 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 12 November 2004 22/11/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Vlassis, M

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/009632

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 236 505 A (METHANOL CASALE SA) 4 September 2002 (2002-09-04) claims; figures EP 1 221 339 A (METHANOL CASALE SA) 10 July 2002 (2002-07-10) claims; figures	1

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
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P	ratent document ad in search report		Publication date		Patent family	,	Publication
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